

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-18. Cancelled

19. (New) A method for attachment of an electrical lead wire to a surface element comprising:

fanning out cords of the electrical lead wire;

preparing an attachment area for the cords of the lead wire at least indirectly on the surface element; and

thermally spraying the lead wire to the attachment area with an attachment material.

20. (New) The method according to Claim 19, wherein the surface element is an electrically conductive layer selected from a group consisting of a heating layer and a cooling layer, and the attachment area is electrically connected with the electrically conductive layer.

21. (New) The method according to Claim 20, wherein the attachment material comprises an electrical conductivity from approximately five to approximately ten times higher than an electrical conductivity of the electrically conductive layer.

22. (New) The method according to Claim 20 further comprising an electrically isolating layer applied to the electrically conductive layer by thermal spraying.

23. (New) The method according to Claim 22, wherein the thermal spraying comprises plasma spraying.

24. (New) The method according to Claim 19, wherein an electrically isolating layer is applied over the attachment area and the lead wire.

25. (New) A method for attachment of an electrical lead wire to a surface element comprising:

thermally spraying a contact material onto a surface of the surface element to create a contact point; and

welding the lead wire to the contact point.

26. (New) The method according to Claim 25, wherein the lead wire is welded to the contact point using ultrasound.

27. (New) The method according to Claim 25, wherein the surface element is an electrically conductive layer selected from a group consisting of a heating layer and a cooling layer, and the contact point is electrically connected with the electrically conductive layer.

28. (New) The method according to Claim 25, wherein the thermal spraying comprises plasma spraying.

29. (New) The method according to Claim 25, wherein an electrically isolating layer is applied over the contact point and the lead wire.

30. (New) A heating device comprising a heating layer and an electrical lead wire connected at an attachment area, the electrical lead wire comprising fanned out cords that are secured to the attachment area by thermal sprayed attachment material.

31. (New) The heating device according to Claim 30 further comprising an electrically isolating layer applied to the heating layer and the attachment area.

32. (New) The heating device according to Claim 30 further comprising a clamping ring, wherein the electrical lead wire is clamped between the clamping ring and the heating layer.